

INDEX TO VOLUME 39

NOTE

Names of authors and discussers, also those of deceased members preceding an obituary notice, are in caps and small caps. A discussor is distinguished from the author of a paper by (D), placed after the name of the paper.

- 2 Titles of papers, where placed after the name of the author, and appearing in their exact form, are in italics. Papers are indexed not under their titles but under their subject-matter.

	PAGE
Accident prevention in the textile industry	1049
Activities of Society for 1916-1917	7, 547
ADAMS, E. T. <i>The Steam Motor in the Automotive Field</i>	659
Tests of uniflow steam traction engines (D)	58
ADAMS, R. R. Discussion on manufacture of munitions (D)	303
ADAMS, WILLIAM CHARLES, obituary	1201
Aeroplane engine design	307
Agricultural problem	486
Air conditioning	773
measurement of	852
purification	773
Aircraft problem	508
AKIMOFF, N. W. <i>Recent Developments in Balancing Apparatus</i>	779, 790
ALDEN, F. A. Expenses and costs (D)	889
ALFORD, L. P. Machine-tool design and construction (D)	206
ALPERN, M. Efficiency and capacity in the boiler room (D)	91
Alternators, parallel operation of	805
American engineering standards committee	15, 17
ANDERSON, A. H. <i>Plotting Blower-Test Curves</i>	793, 803
Armature displacement, determination of, in parallel operation	805
Army transportation	506
AYARS, W. S. The engineer, the cripple and the new education (D)	1160
BACON, EARLE C., obituary	1202
Bagasse as a source of fuel	611
BAILEY, L. H. <i>The Agricultural Problem</i>	486
BAKER, A. J. Machine-tool design and construction (D)	207
BAKER, F. H. Steam motor in automotive field (D)	667
Balancing machines, dynamic	779
BALDWIN, W. J. <i>Apparatus for Cooling, Drying and Purifying Air</i>	773
Recent developments in balancing apparatus (D)	789
BANCEL, P. A. Cooling of water for power-plant purposes (D)	647
BANNISTER, BRYANT. Efficiency and capacity in the boiler room (D)	97

	PAGE
BARKLEY, J. F., and KREISINGER, HENRY. <i>Radiation Error in Measuring Temperature of Gases</i>	107
Transfer of heat (D).....	747
BARRUS, G. H. Efficiency and capacity in the boiler room (D).....	96
Tests of uniflow steam traction engines (D).....	61
BARTH, C. G. Expenses and costs (D).....	892
Machine-shop organization (D).....	225
Machine-tool design and construction (D).....	200
Metal planers and methods of production (D).....	236, 243
BARTON, G. E. The engineer, the cripple and the new education (D)....	1160
BEARDSLEY, ARTHUR, obituary.....	1202
BEDELL, C. H. <i>The Submarine</i>	965
BEEKLEY, W. C. Preventable waste of coal in United States (D).....	700
BENNET, ORVILLE G., obituary.....	1202
BENTLEY, O. D. H. Small-turbine situation (D).....	594
BERRY, O. C. Problem of aeroplane-engine design (D).....	325
BERTRAM, H. G. Discussion on manufacture of munitions (D).....	304
BETHEL, J. N. Influence of environment on woman worker (D).....	1145
BEYER, D. S. <i>Accident Prevention in the Textile Industry</i>	1049, 1069
BIGELOW, C. H. Labor-turnover records (D).....	1044
BIGELOW, FRANK LEWIS, obituary.....	1203
BLAKE, F. E. Influence of environment on woman worker (D).....	1145
BLESSING, G. F. Influence of environment on woman worker (D).....	1148
Blower-test curves.....	793
Boiler room efficiency.....	67, 679
tests.....	67
Boilers, heat transmission in.....	709, 734
BOND, P. S. Discussion on munitions manufacture (D).....	305
BOWES, L. C. Efficiency and capacity in the boiler room (D).....	88
BRECKENRIDGE, L. P. <i>The Fuel Problem</i>	493
Preventable waste of coal in United States (D).....	699
BREWER, ARTHUR. Labor-turnover records (D).....	1044
BROTHERHOOD, ROWLAND S., obituary.....	1203
BROWN, W. C. Steam motor in automotive field (D).....	667
BRUEGEL, ADOLPH THEODORE, obituary.....	1204
BRYANT, R. F. Topical discussion on inspection (D).....	1186
BURHORN, EDWIN. Cooling of water for power-plant purposes (D).....	649
BURNHAM, R. F. Labor-turnover records (D).....	1045
CANDA, CHARLES ALEXANDER, obituary.....	1205
Cantonments, construction of.....	518
CARDULLO, F. E. Topical discussion on inspection (D).....	1185
CARPENTER, R. C. Efficiency and capacity in the boiler room (D).....	91
Problem of aeroplane-engine design (D).....	324
CARRIER, W. H. Moisture content of textiles and some of its effects (D)	1126
Scientific management in a manufacturing plant (D).....	169
CARTER, E. B. Preventable waste of coal in United States (D).....	689
CARY, A. A. Preventable waste of coal in United States (D).....	692

	PAGE
CASSIDY, EDWARD. The engineer, the cripple and the new education (D)	1163
CATHCART, W. L. Preventable waste of coal in United States (D)	698
Centrifugal fans, tests of	793
stresses, determination of	173
Chimney gases, removal of	773
CHRISTIE, A. G. Cooling of water for power-plant purposes (D)	655
Small-turbine situation (D)	597
Tests of uniflow steam traction engines (D)	64
Civil Engineers, welcome to Engineering Societies Building	9
Coal conservation	24, 493, 679
Code of safety standards for industrial ladders	391
for power transmission machinery	399
for woodworking-machine guards	1191
COE, H. L. <i>Organization for Munitions Manufacture</i>	255
COEY, S. C. Accident prevention in textile industry (D)	1069
Coke	897
COLLINS, B. R. T. Cooling of water for power-plant purposes (D)	648
COLWELL, AUGUSTUS W., obituary	1205
CONNELL, F. Van B. Recent developments in balancing apparatus (D)	790
COOLIDGE, C. E. Topical discussion on inspection (D)	1186
Cooling ponds	625
Committees. See Society Affairs.	
Cost accounting	885
Council Report. See Activities of Society, 1917, by Ira N. Hollis, p. 547, and Activities of Society, 1916-1917, p. 7 (covering other details).	
CRANE, H. M. Problem of aeroplane-engine design (D)	333
Crank-effort diagrams	814
Crippled soldiers, training of	1149
CRISSEY, C. P. Recent developments in balancing apparatus (D)	789
Small-turbine situation (D)	605
Volume regulator for blast-furnace engines (D)	882
Cross-current predeterminations from crank-effort diagrams	805
CULLAMORE, A. The engineer, the cripple and the new education (D)	1165
CURADO, A. L. The engineer, the cripple and the new education (D)	1162
Cutting tools	185
DAKE, C. W. Small-turbine situation (D)	607
DAVIS, C. E. Topical discussion on inspection (D)	1186
DAVIS, JOSEPH PHINEAS, obituary	1207
DEAN, A. B. Labor-turnover records (D)	1045
DEAN, F. W. <i>An Account of the Engineering Work of E. D. Leavitt</i>	993
DE LEEUW, A. L. Expenses and costs (D)	891
<i>A Foundation for Machine-Tool Design and Construction</i>	185
<i>The Logic of Inspection</i>	1171
Machine-shop organization (D)	224
Topical discussion on inspection (D)	1188
DIERMAN, WILLIAM L., obituary	1208
Diesel engines on submarines	965

	PAGE
Disk-wheel stresses.....	173
DOW, CHARLES E. W., obituary.....	1209
DU BRUL, E. F. Discussion on munitions manufacture (D).....	305
DU PRIEST, J. R. <i>The Relation of Port Area to the Power of Gas Engines and Its Influence on Regulation</i>	369
DUNCAN, W. G. Accident prevention in textile industry (D).....	1068
DUNN, B. W. <i>General Principles of Government Inspection and Relations Between Inspectors and Manufacturers</i>	1178
DUNN, GANO. <i>The Engineering Societies in the National Defense</i>	464
DUNTON, W. R., JR. The engineer, the cripple and the new education (D).....	1162
DURAND, W. F. <i>The Aircraft Problem</i>	508
Dust, removal of, from air and gases.....	86
Dynamic balancing.....	779
 EALLES, W. P. <i>(A Code of Safety Standards for Woodworking-Machine Guards)</i>	1191
ELLIOTT, B. G. Preventable waste of coal in United States (D).....	697
EMERSON, HARRINGTON. Scientific management in a manufacturing plant (D).....	170
EMSWILER, J. E. Tests of uniflow steam traction engines (D).....	59
Engine regulation.....	369
Engineering Council.....	8, 23
Engineering Foundation.....	22
education.....	474, 1149
profession in national service.....	445, 529, 1149
societies in the national defense.....	464
Engines designed by E. D. Leavitt.....	993
ERDMAN, A. W. <i>Limits and Tolerances for the Manufacture of Munitions</i>	290
Expenses and costs.....	885
 FAIR, CHARLES. Foundation for machine-tool design and construction (D).....	208
Metal planers and methods of production (D).....	239
FALES, GEORGE LELAND, obituary.....	1209
Fans, tests of centrifugal.....	793
FEHR, R. B. Radiation error in measuring temperature of gases (D)....	117
FESSENDEN, E. A. Radiation error in measuring temperature of gases (D).....	117
Surface resistance with glass as transmission medium (D).....	771
Transfer of heat (D).....	742
Filters, standardization of.....	425
Fire engines.....	337
FIRMSTONE, FRANK, obituary.....	1210
FITZGERALD, CHARLES, obituary.....	1210
FLANDERS, R. E. Discussion on munitions manufacture (D).....	305
Foundation for machine-tool design and construction (D).....	209
Flow of gases in blast-furnace apparatus.....	847
of gases in flues.....	709
FOLLER, CHARLES S., obituary.....	1211
FORD, HENRY RUTGERS, obituary.....	1212

	PAGE
FREELAND, E. C. <i>Bagasse as a Source of Fuel</i>	611
FRY, L. H. <i>The Transfer of Heat Between a Flowing Gas and a Containing</i> <i>Flue</i>	709, 754
Fuel conservation.....	493, 679
Fuels.....	611
Furnaces, boiler, for burning bagasse.....	615
efficiency in operation of.....	67
Gages.....	296
dead-weight pressure.....	850
standardization of.....	8
GANTT, H. L. <i>Expenses and Costs</i>	885, 894
GANZ, ALBERT FREDERICK, obituary.....	1212
GARLAND, C. M. Problem of aeroplane-engine design (D).....	328
Test of a motor fire engine (D).....	353
Gas engines, efficiency of.....	379
Gases, measurement of temperature of.....	107
GEBHARDT, G. F. Plotting blower-test curves (D).....	800
GEIER, O. P. <i>The Human Potential in Industry</i>	411
GILBRETH, F. B. Discussion on manufacture of munitions (D).....	303
Expenses and costs (D).....	889
Human potential in industry (D).....	422
Influence of environment on woman worker (D).....	1146
Scientific management in a manufacturing plant (D).....	171
GILBRETH, F. B., and GILBRETH, L. M. <i>The Engineer, the Cripple and</i> <i>the New Education</i>	1149
GLEASON, KATE. Influence of environment on woman worker (D).....	1146
GOODLATTE, R. K. Preventable waste of coal in United States (D).....	691
GOSS, W. F. M. Efficiency and capacity in the boiler room (D).....	89
Government inspection and relation between inspectors and manufacturers	1178
GRAVES, A. F. Preventable waste of coal in United States (D).....	691
GREGG, R. B. Accident prevention in textile industry (D).....	1068
<i>Labor-Turnover Records and the Labor Problem</i>	1037, 1047
GRIEVES, E. W., obituary.....	1213
Guards for shafting.....	399
for textile machines.....	1054
on woodworking machines.....	1191
GUILD, H. J. <i>Development of Scientific Methods of Management in a</i> <i>Manufacturing Plant</i>	123
HADDOCK, EDWIN J., obituary.....	1213
HAIGHT, H. V. <i>Procuring Special Machines for Munitions Manufacture</i> ...	265
HALL, KEPPEL. <i>Development of Scientific Methods of Management in a</i> <i>Manufacturing Plant</i>	123
HAMILTON, CLINTON A., obituary.....	1214
HAMILTON, C. B., JR. Topical discussion on inspection (D).....	1184
HAMILTON, D. T. Topical discussion on inspection (D).....	1188
HAMMOND, H. R., and HOLMBERG, C. W. <i>A Study of Surface Resistance</i> <i>with Glass as the Transmission Medium</i>	757

	PAGE
HANNAH, F. A. The engineer, the cripple and the new education (D) . . .	1167
HANSEN, C. M., and HICKS, R. W. (<i>A Code of Safety Standards for Power-Transmission Machinery</i>)	399
HARTFORD, J. ANSLEY, obituary	1214
HARTSHORNE, W. D. Accident prevention in textile industry (D)	1069
<i>The Moisture Content of Textiles and Some of Its Effects</i>	1073
Heat transfer between a flowing gas and a containing flue	709, 734
transmission coefficients, determination of	757
in boilers	79, 709, 734
HEDRICK, E. R. Transfer of heat (D)	746
HELANDER, LINN. Volume regulator for blast-furnace engines (D)	883
HEMPSTREET, G. P. Motor-truck transportation (D)	504
HESS, HENRY. Expenses and costs (D)	890
HEUSTIS, MRS. H. E. Influence of environment on woman worker (D)	1146
HIBBARD, H. W. Machine-shop organization (D)	226
Machine-tool design and construction (D)	201
HIGGINS, J. W. Influence of environment on woman worker (D)	1145
HILL, REUBEN. Discussion on manufacture of munitions (D)	303
HIRSHFELD, C. F. Efficiency and capacity in the boiler room (D)	99
HOLLIS, IRA N. <i>Activities of the Society for 1917</i>	547
President, 1917, biography	1
<i>Universal Public Service in Peace and War</i>	445
HOLMBERG, C. W., and HAMMOND, H. R. <i>A Study of Surface Resistance with Glass as the Transmission Medium</i>	757
HOLMES, A. K. Surface resistance with glass as transmission medium (D)	771
HOLT, FRANK EUGENE, obituary	1215
HONSBURG, AUGUST A., obituary	1216
HORNING, H. L. Problem of aeroplane-engine design (D)	329
HOSLEY, H. E. The engineer, the cripple and the new education (D)	1162
HOTCHKISS, W. E. The engineer, the cripple and the new education (D)	1162
HOWARD, O. ZELL, obituary	1216
HOWE, C. S. <i>Special Education in Time of War</i>	474
Human potential in industry	411
HUMPHREY, A. L. <i>Organizing for Munitions Manufacture</i>	252
HUSON, W. S. Topical discussion on inspection (D)	1183
HUTSON, H. L. Bagasse as a source of fuel (D)	624
HUTTON, F. R. Influence of environment on woman worker (D)	1148
HYDE, CHARLES EDWARD, obituary	1217
HYDE, JOHN SEDGWICK, obituary	1218
ILER, WILLIAM THOMPSON, JR., obituary	1218
ILLMER, LOUIS. <i>Cross-Current Predeterminations from Crank-Effort Diagrams</i>	805
Industrial management	123, 213, 411, 559
research	480
Inspection in munitions manufacture	300
logic of	1171
relation of, to product	1175

	PAGE
JACKSON, A. C. The engineer, the cripple and the new education (D).....	1168
Labor-turnover records (D).....	1044
JACKSON, W. B. Preventable waste of coal in United States (D).....	703
JACOBUS, D. S. Transfer of heat (D).....	748
JENKINS, A. L. Combined Stresses.....	929, 948
Machine-tool design and construction (D).....	206
JOHNSON, SARAH C. The engineer, the cripple and the new education (D).....	1167
JOHNSON, WILNER E., obituary.....	1219
JUDD, HORACE. Test of a Motor Fire Engine.....	337
KELLER, K. T. Design of motor-truck engines for long life (D).....	363
KENDIG, ROSCOE B., obituary.....	1219
KENDRICKEN, PAUL H., obituary.....	1220
KENNEDY, W. P. Motor-Truck Transportation.....	499
KENRICK, ALFRED EUGENE, obituary.....	1221
KENT, F. G. Machine-Shop Organization.....	213
KENT, WILLIAM. Efficiency and capacity in the boiler room (D).....	87
Transfer of heat (D).....	749
KIDDER, W. M. Labor-turnover records (D).....	1043
Moisture content of textiles and some of its effects (D).....	1126
KIMBALL, D. S. The Relation of Engineering to Industrial Management.....	559
KINGSBURY, ALBERT. Machine-tool design and construction (D).....	198
KREISINGER, HENRY, and BARKLEY, J. F. Radiation Error in Measuring Temperature of Gases.....	107
Labor turnover.....	1037
Ladders, industrial, a code of safety standards for.....	391
LANDIS, M. H. Machine-shop organization (D).....	223
LANE, J. S. Preventable waste of coal in United States (D).....	700
LEAVITT, E. D., Account of engineering work of.....	993
Liberty motor.....	515
LICHTNER, W. O. Development of Scientific Methods of Management in a Manufacturing Plant.....	123
Local Sections.....	15
LODGE, WILLIAM, obituary.....	1221
LOEWENSTEIN, L. C. A Volume Regulator for Blast-Furnace Engines.....	843
LONDON, W. J. A. A Commercial Analysis of the Small-Turbine Situation.....	565
LORD, C. B. Influence of Environment on the Woman Worker.....	1141
Lubricants, cutting.....	191
LUCKE, C. E. The Problem of Aeroplane-Engine Design.....	307
LUDY, L. V. Tests of uniflow steam traction engines (D).....	62
McKITTRICK, P. A. Accident prevention in textile industry (D).....	1068
Labor-turnover records (D).....	1046
McMILLAN, L. B. Surface resistance with glass as transmission medium (D).....	768, 771
McMURTRIE, D. The engineer, the cripple and the new education (D).....	1165
Machine-shop organization.....	213

	PAGE
Machine-tool design.....	185
MACMURCHY, J. A. Small-turbine situation (D).....	601
MAGRUDER, W. T. Test of a motor fire engine (D).....	354
Manufacturing inspection.....	1171
MARQUINA, LUIS G., obituary.....	1223
MARQUIS, F. W. <i>Tests of Uniflow Steam Traction Engines</i>	41
MARSHALL, A. W. Influence of environment on woman worker (D).....	1147
MARTIN, EDWARD J., obituary.....	1223
MATTES, WILLIAM F., obituary.....	1223
MAXFIELD, L. S. Labor-turnover records (D).....	1043
Preventable waste of coal in United States (D).....	695
Megasse, use as fuel.....	611
MEIER, CHARLES. <i>Metal Planers and Methods of Production</i>	229
Metal planers and methods of production.....	229
METCALF, LEONARD. <i>The Solution of the Cantonment Construction Problem</i>	518
Meters, impact float, for measuring flow of gases.....	861, 869
venturi.....	859, 864, 866
Military engineering committee.....	8, 24
MILLER, F. J. The engineer, the cripple and the new education (D).....	1165
MINER, J. B. The engineer, the cripple and the new education (D).....	1163
MITCHELL, GUY EDWARD, obituary.....	1224
Moisture content of textiles.....	1073
MOODY, L. B. <i>Army Transportation</i>	506
MOORE, J. L. Small-turbine situation (D).....	599
MORGAN, JOSEPH, obituary.....	1224
MORTON, H. E. Design of motor-truck engines for long life (D).....	365
Problem of aeroplane-engine design (D).....	330
MOSES, LUCIUS LAWRENCE, obituary.....	1225
MOSES, P. R. Preventable waste of coal in United States (D).....	689
Motor-truck engines, design of.....	355
Motor trucks.....	337, 499, 506, 659
MUHLFELD, J. E. Preventable waste of coal in United States (D).....	696
Munitions contracts and their financing.....	245
design for quantity manufacture.....	279
manufacture.....	245-306
MYERS, D. M. Bagasse as a source of fuel (D).....	618
Preventable Waste of Coal in the United States.....	679, 703
Nation's call to the professional man.....	529
NEFF, E. H. Machine-shop organization (D).....	223
NEWTON, CHARLES E., obituary.....	1226
NIES, J. D. Steam motor in automotive field (D).....	672
NOLTE, C. B. <i>Procuring Materials for Munitions</i>	284
Nozzles, Thomas spray.....	625
Oils, distillation of.....	951
ORMSTON, ALFRED J., JR., obituary.....	1226
OSTERGREN, OSCAR PATRIC, obituary.....	1227

	PAGE
OSTGREN, G. L. Transfer of heat (D).....	747
OTTERTSON, J. E. <i>Munitions Design for Quantity Manufacture</i>	279
OWEN, W. O. The engineer, the cripple and the new education (D).....	1159
PANGBURN, DWIGHT BOYCE, obituary	1228
Paper mills, scientific management in	123
Parallel operation of alternators, excessive cross-current flow in	805
PARKER, CHARLES D., obituary	1228
PEARL, JAMES JOHNSON, obituary	1229
PEARSON, A. L. Labor-turnover records (D).....	1043
PEARSON, WALTER BEVERLY, obituary	1229
PERKINS, G. H. Labor-turnover records (D).....	1043
PHILLIPS, V. B. Relation of efficiency to capacity in the boiler room..	67
PIGOTT, R. J. S. Tests of uniflow steam traction engines (D).....	63
PIKE, E. R. The engineer, the cripple and the new education (D).....	1164
Pitot tube for measuring velocity head	857
Planers, design of	229
Plotting blower-test curves	793
PODOLSKY, M. M. Preventable waste of coal in United States (D).....	697
POLAKOV, W. N. The engineer, the cripple and the new education (D)...	1168
Expenses and costs (D)	891
Preventable waste of coal in United States (D)	687
POLIAKOFF, R. Discussion on manufacture of munitions (D).....	304
Machine-tool design and construction (D).....	202
POMEROY, LEWIS R., obituary	1230
POOLE, E. J. Influence of environment on woman worker (D).....	1147
Power-plant efficiency	67
Power-transmission machinery, a code of safety standards for	399
Pressure gages, dead-weight	850
Projectiles, manufacture of	245-306
Public service	445
Radiation error in measuring temperature of gases	107
RAMSBURG, C. J., and SPERR, F. W. <i>By-Product Coke and Coking Operations</i>	897
Reciprocating engines in blast-furnace work	846
REID, JOSEPH, obituary	1231
REINICKER, N. G. Efficiency and capacity in the boiler room (D).....	98
Preventable waste of coal in United States (D)	699
REIST, H. G. Recent developments in balancing apparatus (D).....	789
Relation of port area to the power of gas engines and its influence on regulation	369
REYNDERS, A. B. Discussion on manufacture of munitions (D).....	304
REYNOLDS, H. B. Small-turbine situation (D).....	604
REYNOLDS, PHILIP. Topical discussion on inspection (D).....	1184
RICE, C. W. The engineer, the cripple and the new education (D).....	1164
RIDDELL, JOHN, obituary	1231
RIDER, GEORGE SMITH, obituary	1233
RISTEEN, A. D. Accident prevention in textile industry (D).....	1069

	PAGE
ROBERTS, E. P. Preventable waste of coal in United States (D).....	691
ROBERTS, E. W. Design of motor-truck engines for long life (D).....	362
Problem of aeroplane-engine design (D).....	331
Test of a motor fire engine (D).....	354
ROBINSON, EDWARD. The engineer, the cripple and the new education (D).....	1166
RODGERS, MYRON KNOX, obituary.....	1234
ROSS, SIR CHARLES. Topical discussion on inspection (D).....	1183
RUBIN, SAMUEL. Topical discussion on inspection (D).....	1187
Safety devices for textile machines.....	1067
standards for industrial ladders.....	391
standards for power-transmission machinery.....	399
standards for woodworking-machine guards.....	1191
SANBORN, F. E. Combined stresses (D).....	946
The engineer, the cripple and the new education (D).....	1161
SAVAGE, SYDNEY FRANCIS, obituary.....	1234
SCARFE, GEORGE E., obituary.....	1235
Scientific management in machine shops.....	213
in manufacturing plants.....	123
in munitions manufacture.....	252, 255
principles, development of.....	185
Shells, manufacture of.....	274
Ships, ventilation of.....	773
SKINNER, C. E. <i>The Opportunity for Industrial Research</i>	480
SMITH, E. B. Labor-turnover records (D).....	1045
Smoke abatement.....	773
Society Affairs:	
American engineering service committee.....	8
American engineering standards committee.....	15, 17
American Institute of Architects.....	23
Anglo-American conference.....	24
annual meeting, 1917.....	438
boiler code.....	19
committee.....	556
British engineering standards committee.....	15
Bureau of Mines.....	24
Catskill aqueduct celebration.....	23
Civil Engineers, welcome to.....	9
coal conservation.....	24
commission on gunmounts.....	24
council report. See Activities of Society, 1916-1917, pp. 7 and 547.	
constitution and by-laws committee.....	15
engineering coöperation conference.....	24
Engineering Council.....	8, 23
Engineering Foundation.....	22
engineering resources.....	7, 21
feedwater heaters, committee on.....	17

Society Affairs, continued:

	PAGE
finance committee.....	11
gages, standardization of.....	8, 17
gunmounts, commission on.....	24
house committee.....	14
increase of membership committee.....	21
John Fritz medal.....	23
junior prize committee.....	22
library committee.....	14
limits and tolerances in screw thread fits, committee on.....	18
local sections.....	15
meetings committee.....	11
meetings, January-June 1917.....	27
of sections.....	27, 433
September-December, 1917.....	433
membership committee.....	13
military engineering committee.....	8, 24
National Research Council.....	24
National Security League.....	23
nominating committee.....	21
North Carolina College of Agriculture and Mechanic Arts.....	23
power test committee.....	18, 556
president's address.....	547
public relations committee.....	15
publication committee.....	13
representation in other bodies.....	22
research committee.....	15
action on study of cutting tools (<i>D</i>).....	206, 268
resolution relating to coöperation between manufacturers.....	306
gages and standards.....	306
status of men in the industries.....	306
rivers and harbors congress.....	23
special and annual committees.....	21
spring meeting, Cincinnati, 1917.....	36
standardization.....	17
committee.....	15
of filters, committee on.....	425
standing committees.....	10
steel roller chains, committee on.....	17
student branches.....	22
student prize committees.....	22
sub-committee on protection of industrial workers.....	391, 399, 1191
tellers of election.....	7
trustees, United Engineering Society.....	22
United Engineering Society.....	10
war committee of technical societies of Engineering Council.....	8
Washington award, Western Society of Engineers.....	24
White, Sir William H., memorial.....	25

	PAGE
SOUTHARD, E. E. The engineer, the cripple and the new education (D)...	1166
SOUTHER, HENRY, obituary	1235
SPALDING, C. M. Plotting blower-test curves (D)	802
Special education in time of war	474
SPERR, F. W., and RAMSBURG, C. J. <i>By-Product Coke and Coking Operations</i>	897
SPITZGLASS, J. M. Efficiency and capacity in the boiler room (D)	89
Machine-shop organization (D)	222
Plotting blower-test curves (D)	799
Spray heads, Thomas, tests of	643
STALEY, A. C. Steam motor in automotive field (D)	670
Standardization, activity of Society in	554
in airplane production	514
of filters	425
Steam consumption of uniflow versus counterflow engines	41
efficiency in production of	67
motor in the automotive field	659
STEBBINS, ALBERT C., obituary	1236
STEHLIN, JOSEPH, obituary	1237
STILL, F. R. Plotting blower-test curves (D)	800
STOTT, HENRY G., obituary	1237
Strength of materials	173, 946
Stresses, calculation of	929
centrifugal	173
STRONG, FRANK L., obituary	1240
Student Branches	22
STURGESS, JOHN. Steam motor in automotive field (D)	667
Submarines	965
Sugar manufacture, fuel and furnaces used in	611
Surface resistance with glass as the transmission medium	757
Symposium on manufacture of munitions	245-306
service of the engineer to the public in times of crises	445-479
TAFT, W. H. <i>The Nation's Call to the Professional Man</i>	529
TERWILLIGER, GERALD EDGAR, obituary	1240
Textiles, moisture content of	1073
THOMAS, C. C. <i>The Cooling of Water for Power-Plant Purposes</i>	625
THOMPSON, N. W. <i>The Trumble Refining Process</i>	951
THOMPSON, S. E. Scientific management in a manufacturing plant (D) ..	171
THOMPSON, S. E. <i>Development of Scientific Methods of Management in a Manufacturing Plant</i>	123
Time study of planers	229
Traction engines, tests of uniflow steam	41
Transfer of heat between a flowing gas and a containing flue	709, 734
Trumble refining process	951
TRUMP, E. N. Preventable waste of coal in United States (D)	701
Steam motor in automotive field (D)	673
TRUMPY, SVERRE, obituary	1241

INDEX

1259

	PAGE
TUCKER, EDWIN D., obituary.....	1241
Turbine disk wheels, stresses in.....	173
Turbines, commercial analysis of.....	565
steam.....	565
suggested code of practice for.....	592
Turbo-blowers, testing of.....	883
UEHLING, E. A. Preventable waste of coal in United States (D).....	702
UNDERWOOD, C. N. The engineer, the cripple and the new education (D)...	1164
Uniflow engines, tests of.....	41
United Engineering Society.....	10
Universal public service in peace and war.....	445
UPP, J. W. Accident prevention in textile industry (D).....	1067
<i>The Woman Worker</i>	1129
VAN DU ZEE, HAROLD, obituary.....	1242
Vector diagrams for a. c. generators.....	835
VIALI, W. A. (<i>A Code of Safety Standards for Industrial Ladders</i>).....	391
Volume regulator for blast-furnace engines.....	843
VON PHILP, CASIMIR, obituary.....	1242
WADLEIGH, G. R. Accident prevention in textile industry (D).....	1067
WALDO, C. A. The engineer, the cripple and the new education (D)...	1166
WALDRON, F. A. Machine-tool design and construction (D).....	207
<i>Munitions Contracts and Their Financing</i>	245
<i>The Relation of Inspection to Product</i>	1175
WALKER, THOMAS C., obituary.....	1243
WALLACE, L. W. Influence of environment on woman worker (D).....	1146
Labor-turnover records (D).....	1044
WALSH, E. T. <i>The Importance of Intelligent Inspection in Munitions</i> <i>Manufacture</i>	300
WAY, WILLIAM FORGUE, obituary.....	1243
WEAVER, S. H. <i>Disk-Wheel Stress Determination</i>	173
WEIR, SILAS E., obituary.....	1243
WELLS, F. O. <i>Gages and Small Tools</i>	296
WEYMOUTH, C. R. Preventable waste of coal in United States (D).....	689
WHITTEN, F. A. Design of motor-truck engines for long life (D).....	363
WIGHTMAN, DANIEL A., obituary.....	1244
WILCOX, H. M. Expenses and costs (D).....	893
Labor-turnover records (D).....	1044
WILLIAMS, R. G. Human potential in industry (D).....	422
WILLISTON, A. L. Expenses and costs (D).....	891
WINGO, R. T. Foundation for machine-tool design and construction (D)	209
WOLF, OTTO CHARLES, obituary.....	1244
Woodworking machines, safety standards for.....	1191
Women in industry.....	1129, 1141
WOOD, A. J. Surface resistance with glass as transmission medium (D)...	767
WYSOR, R. J. Volume regulator for blast-furnace engines (D).....	883

	PAGE
YEOMANS, L. I. <i>Practical Wartime Shell Making</i>	274
YOUNG, JOHN MITCHELL, obituary.....	1245
YOUNGER, JOHN. <i>The Design of Motor-Truck Engines for Long Life</i> ..	355
The engineer, the cripple and the new education (D).....	1163
Steam motor in automotive field (D).....	665

